

## UBBL03 (Type LI-7)

### Technical Datasheet

**SMART!**  
CIRCUIT®



#### FEATURES

- Rugged case construction
- SmartCircuit® Technology - Implements SMBus v1.1 smart battery technology
- High energy density
- Wide operating temperature range
- Lightweight
- No memory effect

#### APPLICATIONS

- Rugged, Portable Electronics
- Military Training Systems
- Back-up Server Power

#### OPTIONAL CHARGERS

- CH0007: 9-Bay Rugged Smart Charger

#### OPTIONAL CABLES

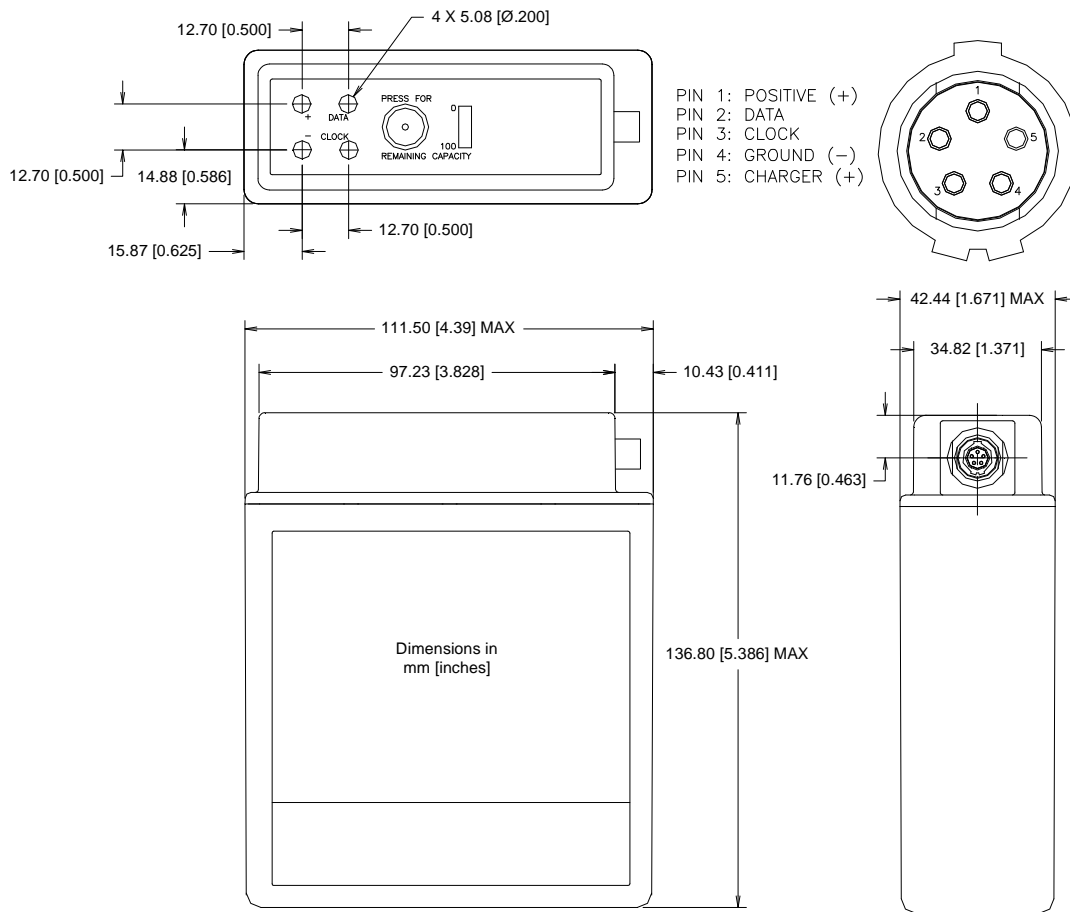
- CA0005: 5 Conductor Cable
- CA0010: 2 Conductor Cable

#### SPECIFICATIONS

<b>Part No</b>	UBBL03
<b>Voltage Range</b>	12.0 to 16.8V
<b>Average Voltage</b>	15.2V
<b>Nominal Capacity</b>	7.5 Ah @ C/5 Rate @ 23°C
<b>Max. Discharge</b>	3.0A continuous
<b>Energy</b>	114Wh
<b>Energy Density</b>	120Wh/kg, 175Wh/l
<b>Weight</b>	944 grams
<b>Cycle Life</b>	> 300 cycles @ C/5 to 80% of initial capacity
<b>Memory</b>	No Memory Effect
<b>Operating Temp</b>	-20°C to 60°C
<b>Storage Temp</b>	-20°C to 60°C
<b>Self-Discharge</b>	< 5% per month
<b>Exterior/Housing</b>	Hard plastic, lusterless black (Noryl N190X-701)
<b>Terminals/Connector</b>	Flat contacts (302 stainless plated with Sulfamate nickel per ASTM B689, type 1). Cable (connector: Lemo HEN.1F.305.XLNP).
<b>State of Charge Indicator</b>	LED Display
<b>Safety</b>	Material Safety Datasheet – MSDS046 Safety Guide UBI-5112
<b>Transportation</b>	Class 9 International and within US unless shipped by motorcar or rail within the US (see note.)
<b>Export License</b>	ITAR (International Traffic in Arms Regulations) export license required to export from U.S.
<b>Protection Circuit Module and Fuses</b>	Over Voltage Limit: 4.35V (per cell) Under Voltage Limit: 2.50V (per cell) Over Current Protection: 6.0A Resettable fuse 70±5°C, one-time thermal fuse 91±0°-4°C
<b>Charging</b>	Recommended charge rate at 2.0A to 16.8V in a temperature range of 0°C to 45°C. Hold at 16.8V until current declines to 750mA. Maximum charge rate is 3.0A @ 23°C. Refer also to Safety Guide UBI-5112.

<b>Note</b>	Complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife Website. <a href="#">Ultralife Transportation Regulations and Information</a>
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## DIMENSIONS



## PERFORMANCE GRAPHS

